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(54) ANTIBIOTIC ALDECALMYCIN, ITS PRODUCTION,
ITS DERIVATIVE AND PRODUCTION THEREOF

(57) Abstract

PURPOSE: To provide the subject new antibiotic substance exhibiting excellent antibacterial activity on Gram-positive bacteria and drug-resistant strain of Gram-positive bacteria such as methicillin resistant bacteria and having low toxicity.

CONSTITUTION: The antibiotic substance MJ147-72F6 of formula (R is CHO) or its hydrate. Appearance, white powder; molecular formula, $C_{13}H_{54}O_8$; elemental analysis (experimental value), C 65.48%, H 9.29%, O 25.47%; melting point, 125-128°C; solubility, soluble in methanol, dioxane, etc., and insoluble in water and hexane; etc. The antibiotic substance can be separated from the cultivation product of a bacterial strain belonging to the genus *Streptomyces* and capable of producing the MJ147-72F6 substance of formula [preferably *Streptomyces* MJ147-72F6 (FERM P-12147), etc.]. The cultivation temperature is preferably 25-30°C.

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